

Patent Abstracts of Japan

PUBLICATION NUMBER : 04161050
PUBLICATION DATE : 04-06-92

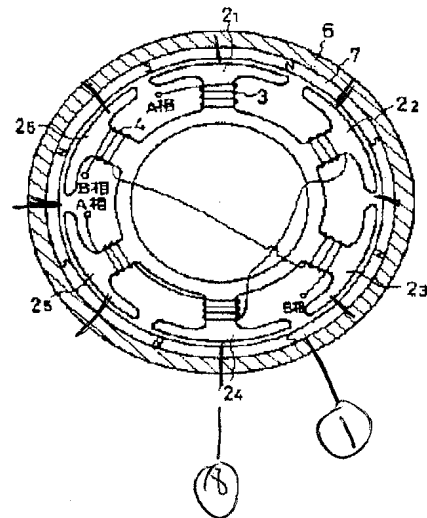
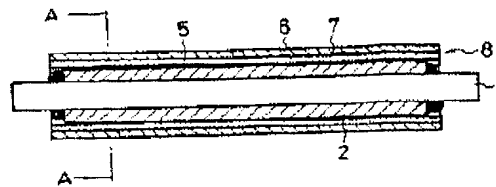
APPLICATION DATE : 23-10-90
APPLICATION NUMBER : 02283318

APPLICANT : TOKYO ELECTRIC CO LTD;

INVENTOR : TAKURA TOSHIYASU;

INT.CL. : H02K 37/12

TITLE : BAR-SHAPED STEPPING MOTOR



ABSTRACT : PURPOSE: To make it into a bar-shaped stepping motor, which is simple in structure, easy in manufacturing, and whose rotor part can be rotated surely with accuracy, by using a longitudinal cylindrical rotor.

CONSTITUTION: A long stator core 2, where six slots of die cores are stacked into the shape of a bar, is fixed to a shaft 1. The stator core 2 is of six-pole constitution, and an A-phase coil 3 or a B-phase coil 4 is wound in desired relation on each ball 2. The stator core 2 fixed to the shaft 1 is made to be stored in a longitudinal cylindrical rotor 8, where magnets 7 being magnetized circumferentially in four pairs of S poles and N poles, that is, eight poles are arranged at the inside periphery of the cylindrical yoke 6. It is so made that the face of a magnetic substance 5 slides on the inside periphery of the rotor, that is, the inside periphery of the magnet 7 at this time.

COPYRIGHT: (C) JPO